Dynacord

März 83

SM 7050

PROFESSIONAL
DISCO MIXING CONSOLE

Service

Sicherheitsvorschriften

Bei Reparaturarbeiten im Gerät sind die Sicherheitsbestimmungen gemäß VDE 0860/IEC 65 zu beachten und einzuhalten.

Ergänzend möchten wir hierzu erwähnen, daß spezielle Bauteile in den Geräten aufgrund ihres Aufbaues nur durch Originalteile ersetzt und keine eigenmächtigen Schaltungsänderungen vorgenommen werden dürfen.

Außerdem sind die am Reparaturort gültigen Schutzbestimmungen der Berufsgenossenschaften beim Umgang mit diesen Geräten einzuhalten. Hierzu gehört auch die Beschaffenheit des Arbeitsplatzes.

Die Kenntnis dieser Vorschriften ist die Voraussetzung, um einen fachgemäßen Service dieser Geräte durchführen zu können.

Safety regulations

When carrying out repair work on the appliance the safety regulations in accordance with VDE 0860/IEC 65 are to be noted and observed.

In addition we would like to point out that because of their construction special components must only be replaced by original parts and no alterations to the wiring should be undertaken.

Furthermore the safety regulations of the professional associations concerning the handling of these appliances are to be observed at the workshop where repairs are carried out. Included here are the features of the place of work.

Knowledge of these regulations is a pre-requisite for proper servicing of these appliances.

Meßdaten SM 7050

1.	Betriebsspannung	U_B	=	220 V
	Leistungsaufnahme	P	=	18 W max.
2.	Meßfrequenz	f	=	1 kHz
	Lastwiderstand	R_L	=	18 kOhm
3.	Eingangsspannungen			
	a) Micro 1 (Stift 3, 1 + 2 Masse)	U_E	=	5 mV (Level auf)
		U_E	=	150 mv (Level zu)
		$U_{Emax.}$	=	300 mV
	b) Phono 1, Phono 2	U_E	=	2,0 mV
		U_E	=	70 mV
	c) Tape 1, Tape 2	U_E	=	100 mV (Level auf)
		U_E	=	1 V (Level zu)
		$U_{Emax.}$	=	34 V
	d) Aux Inputs			
	Micro 2	U_E	=	34 mV (Level auf)
		U_E	=	130 mV (Level zu)
		$U_{Emax.}$	=	900 mV
	Aux 1, Aux 2	U_E	=	120 mV (Level auf)
		U_E	=	1,2 V (Level zu)
		$U_{Emax.}$	=	38 V
	Phono 3	U_E	=	1,5 mV (Level auf)
		U_E	=	15 mV (Level zu)
		U_E	=	120 mV
	e) Effect Return (3 + 5)			
	Effect Routing: Micro	U_E	=	800 mV
	Effect Routing: Mixer	U_E	=	1 V

4. Ausgangsspannungen

a)	To Activ X-Over		U_A =	775 mV
b)	Lo out (100 Hz)		U_A =	1,6 V
c)	Hi out		U_A =	1,4 V
d)	Normal out		U_A =	775 mV
e)	Effect send	Micro	U_A =	35 mV
		Mixer	U_A =	30 mV
f)	Aux out		U_A =	400 mV
			$U_{Amax.}$ =	4 V
g)	Light out		U_A =	2 V
			$U_{Amax.}$ =	8,5 V
h)	Headphone (Tape 1, 100 mV, Cue - Pfl)		U_A =	4,5 V (R_L = 200 Ohm)
			$U_{Amax.}$ =	300 mV (R_L = 8 Ohm)

5. Einstellungen VU-Meter

a) Anzeigeninstrumente: Eingang Tape U_E = 100 mV
Cue-Pfl; VU Sensitivity - 20 dB
mit R 158 und R 159 auf 0 dB Anzeige justieren!

b) Cue-PML; VU Sensitivity - 20 dB : Anzeige - 1 dB

c) Cue-Main; VU Sensitivity 0 dB : Anzeige - 10 dB

d) Cue-Aux; VU Sensitivity 0 dB : Anzeige - 15 dB

e) Einstellung wie 4 a Eingang + 20 dB, Cue PML, VU Sensitivity auf 0 dB - Anzeige 0 dB überprüfen!

6. Einstellungen VCA

a) Eingang Tape 1, f = 10 kHz, Main Out Volume auf, Normal out U_A = 1 V, Mic Volume Steller auf, Damping Regler auf, Stellung Manual.
Mit R 170 und R 173 Ausgangsspannung auf 20 mV = - 34 dB justieren. f = 20 kHz - Dämpfung - 30 dB

7. Klirrfaktor:

Input: Phono 1, Output: Normal f = 1 kHz U_E = 2 mV

a) Klirrfaktor k = 0,01 %

8. Störspannungen: Normal out

a) Geräuschspannung zu U_{Ger} = 20 uV

auf U_{Ger} = 200 uV

Aux Vol. auf Aux select Aux 1/2 U_{Ger} = 220 uV

Aux select Mic 2 U_{Ger} = 300 uV

Aux select Phono 3 U_{Ger} = 1,5 mV

Phono 1/2 Volume auf U_{Ger} = 1 mV

alle Volume- und Pegelst. auf U_{Ger} = 1,5 mV

Vol., Pegelst. + Klangregl. auf U_{Ger} = 6 mV

b) Fremdspannung

auf $U_{Fr.}$ = 100 uV

Phono 1/2 Vol. auf Inp.kurz $U_{Fr.}$ = 200 uV

Frequenzgänge: Blatt 9 - 12

Test Data SM 7050

1.	Operating voltage	U_O =	220 V
	Power drawn	P =	18 W max
2.	Test frequency	f =	1 kHz
	Load resistance	R_L =	18 kOhm
3.	Input voltage		
	a) Micro 1 (Pin 3, 1 + 2 Ground)	U_I =	5 mV (Level up)
		U_I =	150 mV (Level down)
		U_{Imax} =	300 mV
	b) Phono 1, Phono 2	U_I =	2,0 mV
		U_{Imax} =	70 mV
	c) Tape 1, Tape 2	U_I =	100 mV (Level up)
		U_I =	1 V (Level down)
		U_{Imax} =	34 V
	d) Aux Inputs		
	Micro 2	U_I =	13 mV (Level up)
		U_I =	130 mV (Level down)
		U_{Imax} =	900 mV
	Aux 1, Aux 2	U_I =	120 mV (Level up)
		U_I =	1,2 V (Level down)
		U_{Imax} =	38 V
	Phono 3	U_I =	1,5 mV (Level up)
		U_I =	15 mV (Level down)
		U_{Imax} =	120 mV
	e) Effect Return (3 + 5)		
	Effect Routing: Micro	U_I =	800 mV
	Effect Routing: Mixer	U_I =	1 V

4. Output voltage

a)	To Activ X-Over		U_O = 775 mV
b)	Lo out (100 Hz)		U_O = 1,6 V
c)	Hi-out		U_O = 1,4 V
d)	Normal out		U_O = 775 mV
e)	Effect send	Micro	U_O = 35 mV
	-	Mixer	U_O = 30 mV
f)	Aux out		U_O = 400 mV
			U_{Omax} = 4 V
g)	Light out		U_O = 2 V
			U_O = 8,5 V
h)	Headphone (Tape 1, 100 mv; Cue-Pfl)		U_O = 4,5 V (R_L = 200 Ohm)
			U_{Omax} = 300 mV (R_L = 8 Ohm)

5. VU meter settings

a) Adjust display instruments: Input Tape U_E = 100 mV
Cue-Pfl; VU sensitivity - 20 dB
to 0 dB with R 158 and R 159.

b) Cue-PML; VU sensitivity - 20 dB : display - 1 dB

c) Cue-Main; VU sensitivity 0 dB : display - 10 dB

d) Cue-Aux; VU sensitivity 0 dB : display - 15 dB

e) Check setting as 4a input + 20 dB, cue PML, VU sensitivity on 0 dB - display 0 dB

6. VCA settings

a) Input Tape 1, f = 10 kHz, Main Out Volume on, Normal out U_A = 1 V, Mic Volume Setter on, Damping Control on, setting Manual.
Adjust output voltage to 20 mV = - 34 dB with R 170 and R 173. f = 20 kHz - damping - 30 dB

7. Harmonic distortion factor:
Input: Phono 1, Output: Normal f = 1 kHz U_E = 2 mV
a) Harmonic distortion factor k = 0.01 %

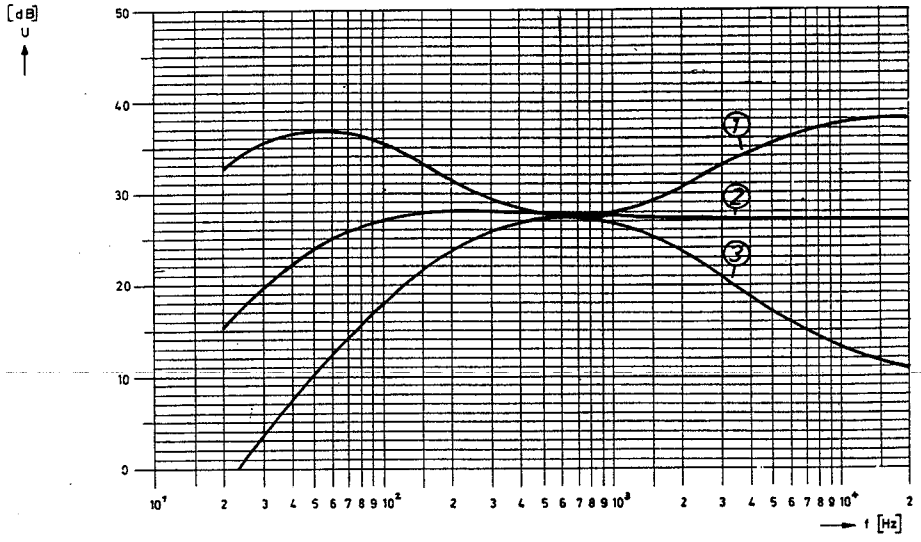
8. Interference voltage: Normal out

a) Noise voltage	off	U_N =	20 uV
	on	U_N =	200 uV
Aux. Vol. on Aux	select Aux 1/2	U_N =	220 uV
	Aux select Mic 2	U_N =	300 mV
	Aux select Phono 3	U_N =	1,5 mV
Phono 1/2 volume on		U_N =	1 mV
All volume and level controls on		U_N =	1.5 mV
Vol., level + tone control on		U_N =	6 mV
b) Interference voltage			
	on	U_{INJ} =	100 uV
Phono 1/2 Vol. on Inp. short		U_{INJ} =	200 uV

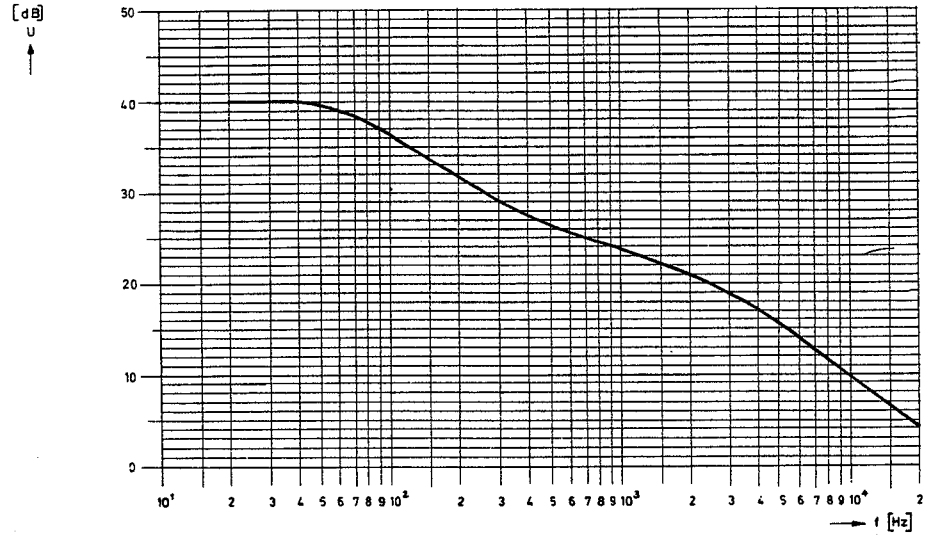
Frequency responses: page 9 - 12

Frequenzgang Micro 1 Output To activ X-over

1. LO EQ + HI EQ auf
2. LO EQ + HI EQ Mitte
3. LO EQ + HI EQ zu

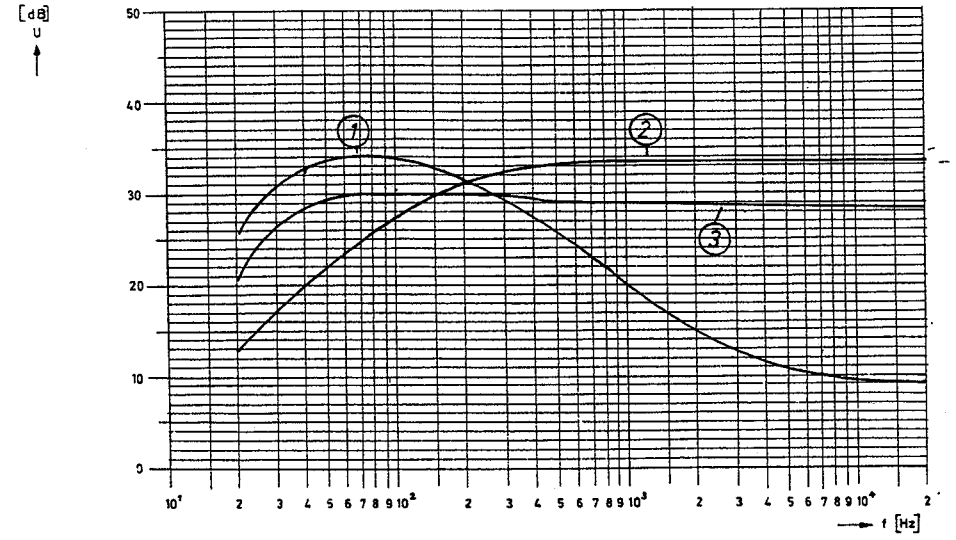


Frequenzgang Input Phono 1/2 U_E = 3mV
Output To activ X-Over

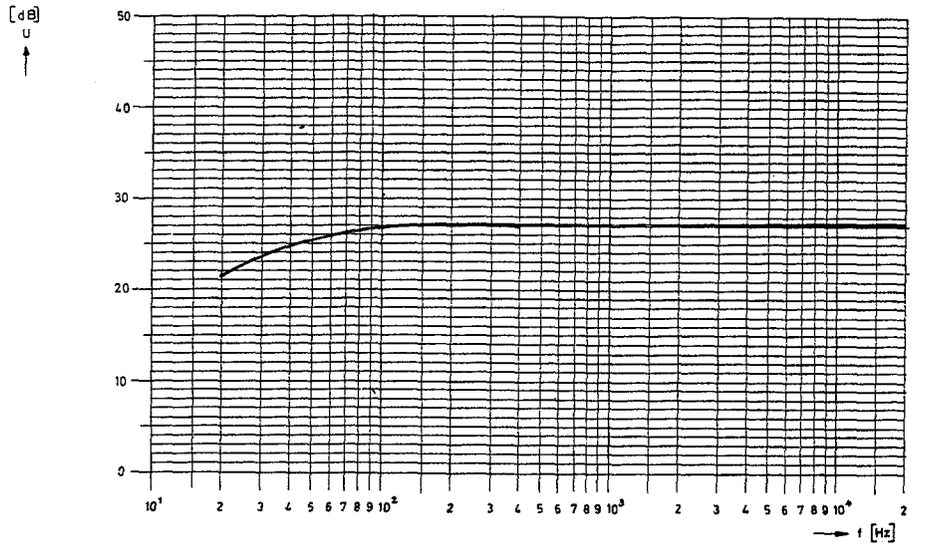


Frequenzgang Eingang Tape 1

1. LO OUT
2. HI OUT
3. Normal OUT

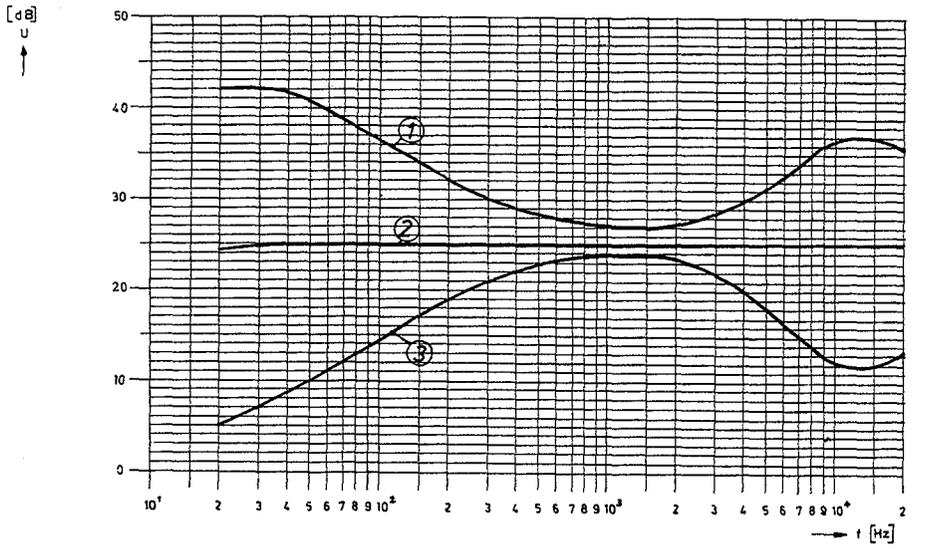


Frequenzgang Light Control
Input Tape 1, Output Light out



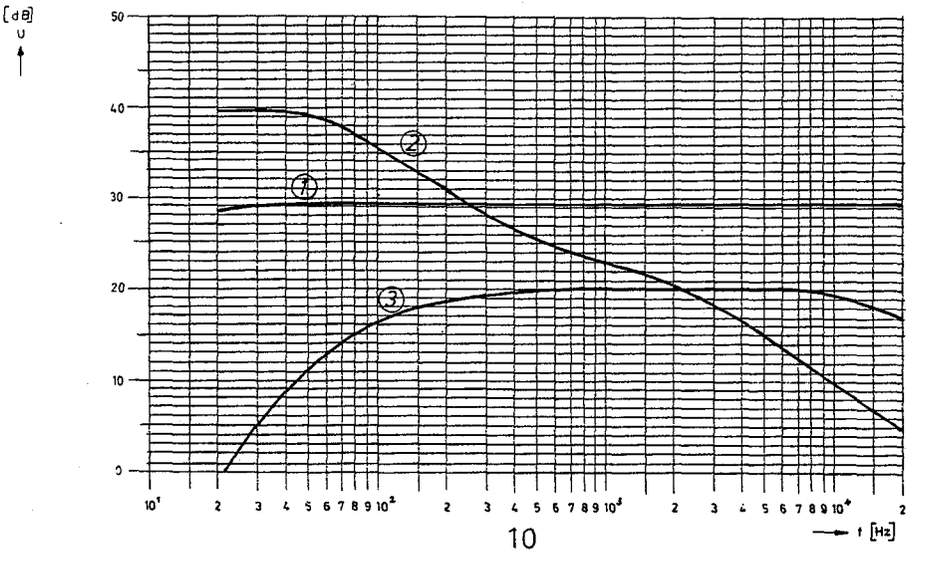
Frequenzgang Equalizer
Input Tape 1, Output To activ X-Over

1. LO EQ + HI EQ auf
2. Linear
3. LO EQ + HI EQ zu

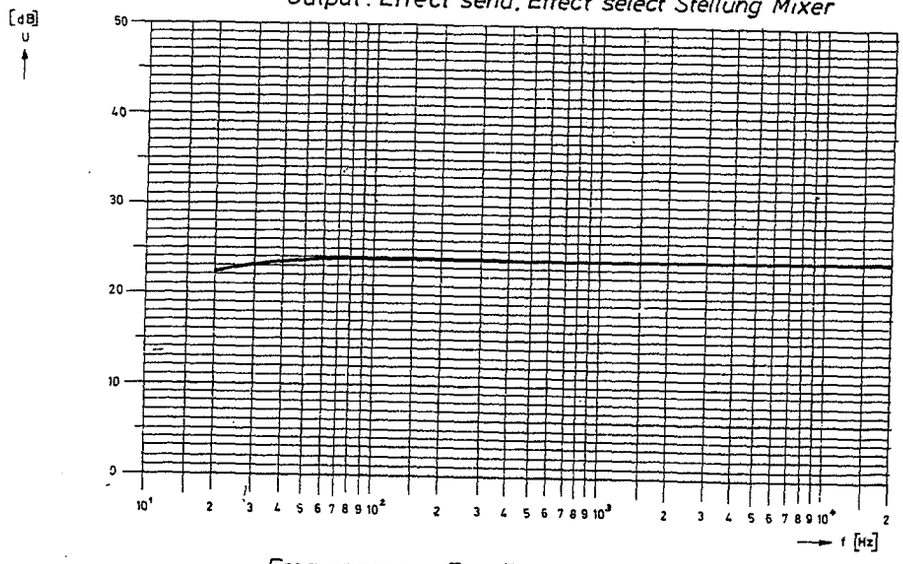


Frequenzgang : Aux Input
Output To activ X-Over

1. Tape 1, Tape 2
2. Phono 3
3. Mic. 2

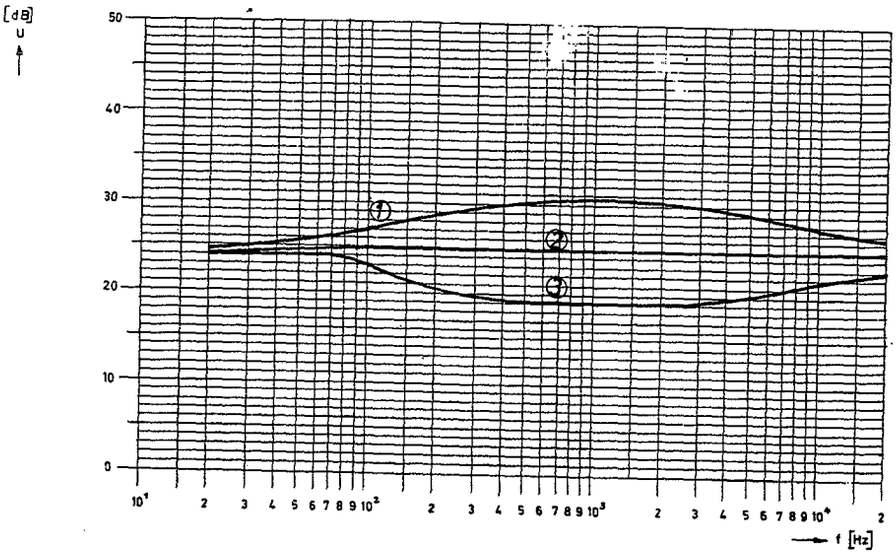


Frequenzgang Phono über passiv RIAA Entzerrer
Output: Effect send, Effect select Stellung Mixer

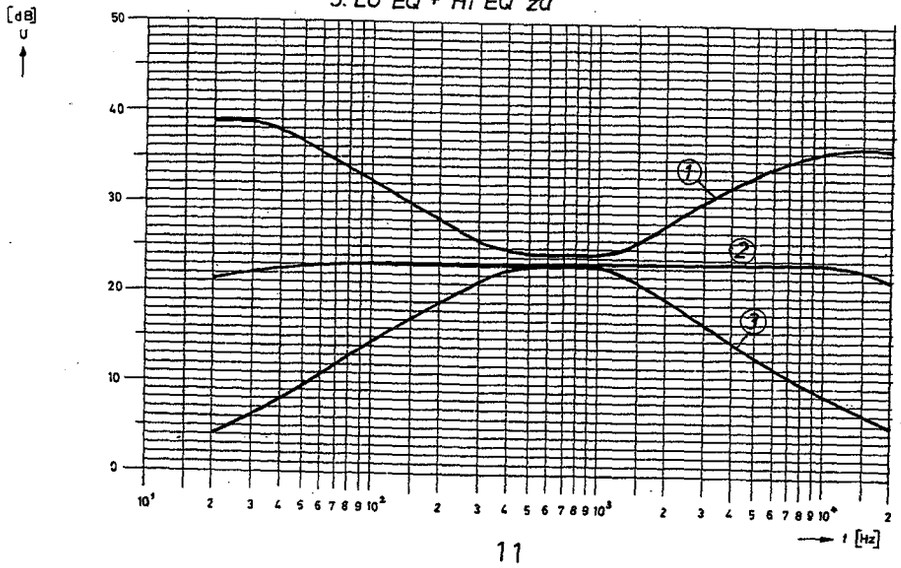


Frequenzgang Equalizer
Input Tape 1, Output To activ X-Over

1. LO MID + HI MID auf
2. Linear
3 LO MID + HI MID zu

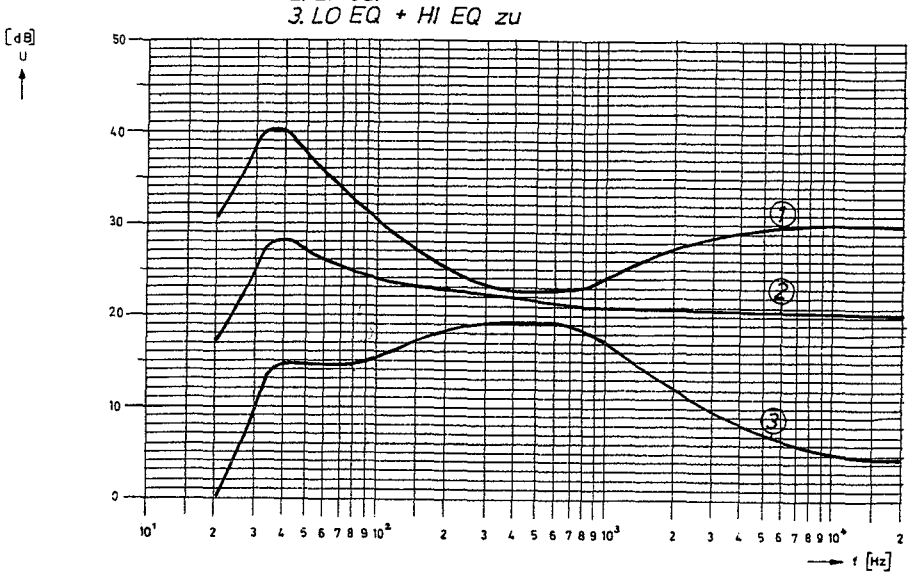


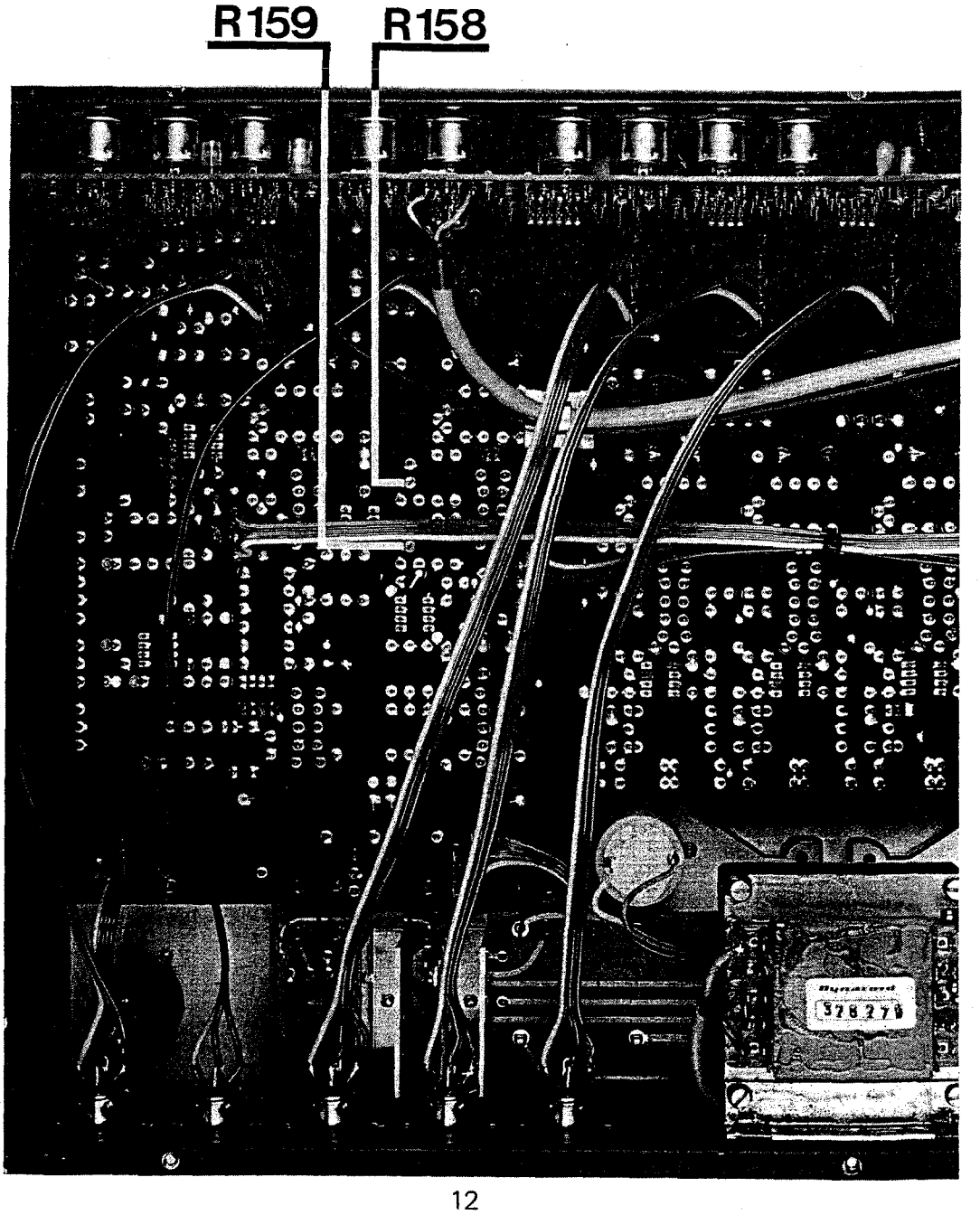
Frequenzgang: Headphone
Input Tape 1, Cue Select Pfl, Cue on
Output Headphone
1. LO EQ + HI EQ auf
2. Linear
3. LO EQ + HI EQ zu



Frequenzgang Auxiliary Out
Input Tape 1 . Output Aux Out

1. LO EQ + HI EQ auf
2. Linear
3. LO EQ + HI EQ zu





Technische Daten

Eingänge:	Mikro 1	10 mV - 1 V
	Phono 1	3,8 mV - 140 mV
	Phono 2	3,8 mV - 140 mV
	Tape 1	100 mV - 34 V
	Tape 2	100 mV - 34 V
	Mikro 2	10 mV - 1 V
	Phono 3	5 mV - 130 mV
	Aux 1	130 mV - 1,4 V
	Aux 2	130 mV - 1,4 V
Ausgänge:	Normal out	775 mV - 4,5 V
	Lo out	1,55 V - 8,5 V (100 Hz)
	HI out	1,55 V - 8,5 V (10 kHz)
	To active X-over	775 mV - 4,5 V
	Aux out	450 mV - 4,5 V
	Light out	2 V - 9,5 V
	Kopfhörer	125 mW an 200 5 V
Netzanschluß		220 V~ AC 50 - 60 Hz
Effect:	Send	30 mV
Effect:	Return	1 V
Klirrfaktor bezogen auf Nennpegel 6 dB		1 kHz K $\leq$ 0,05 %
Störabstand Normal out bezogen auf 775 mV:		$>$ 91 dB
Frequenzgang:		20 Hz ... 20 000 Hz
Abmessungen (B x H x T):		483 x 355 x 105 mm
Gewicht:		6,5 kg

Änderungen vorbehalten

Technical Specifications

Inputs:	Micro 1	10 mV - 1 V	
	Phono 1	3,8 mV - 140 mV	
	Phono 2	3,8 mV - 140 mV	
	Tape 1	100 mV - 34 V	
	Tape 2	100 mV - 34 V	
	Micro 2	10 mV - 1 V	
	Phono 3	5 mV - 130 mV	
	Aux 1	130 mV - 1,4 V	
	Aux 2	130 mV - 1,4 V	
Outputs:	Normal out	775 mV - 4,5 V	
	Lo out	1,55 V - 8,5 V	(100 Hz)
	HI out	1,55 V - 8,5 V	(10 kHz)
	To active X-over	775 mV - 4,5 V	
	Aux out	450 mV - 4,5 V	
	Light out	2 V - 9,5 V	
	Headphone	125 mW on 200	5 V
Operation voltage		220 V~ AC 50 - 60 Hz	
Effect:	Send	30 mV	
Effect:	Return	1 V	

Distortionfactor related to nominal level + 6 dB: 1 kHz K ≤ 0,05 %

Signal to noise ratio normal out related to 775 mV: ≥91 dB

Frequency response: 20 Hz ... 20 000 Hz

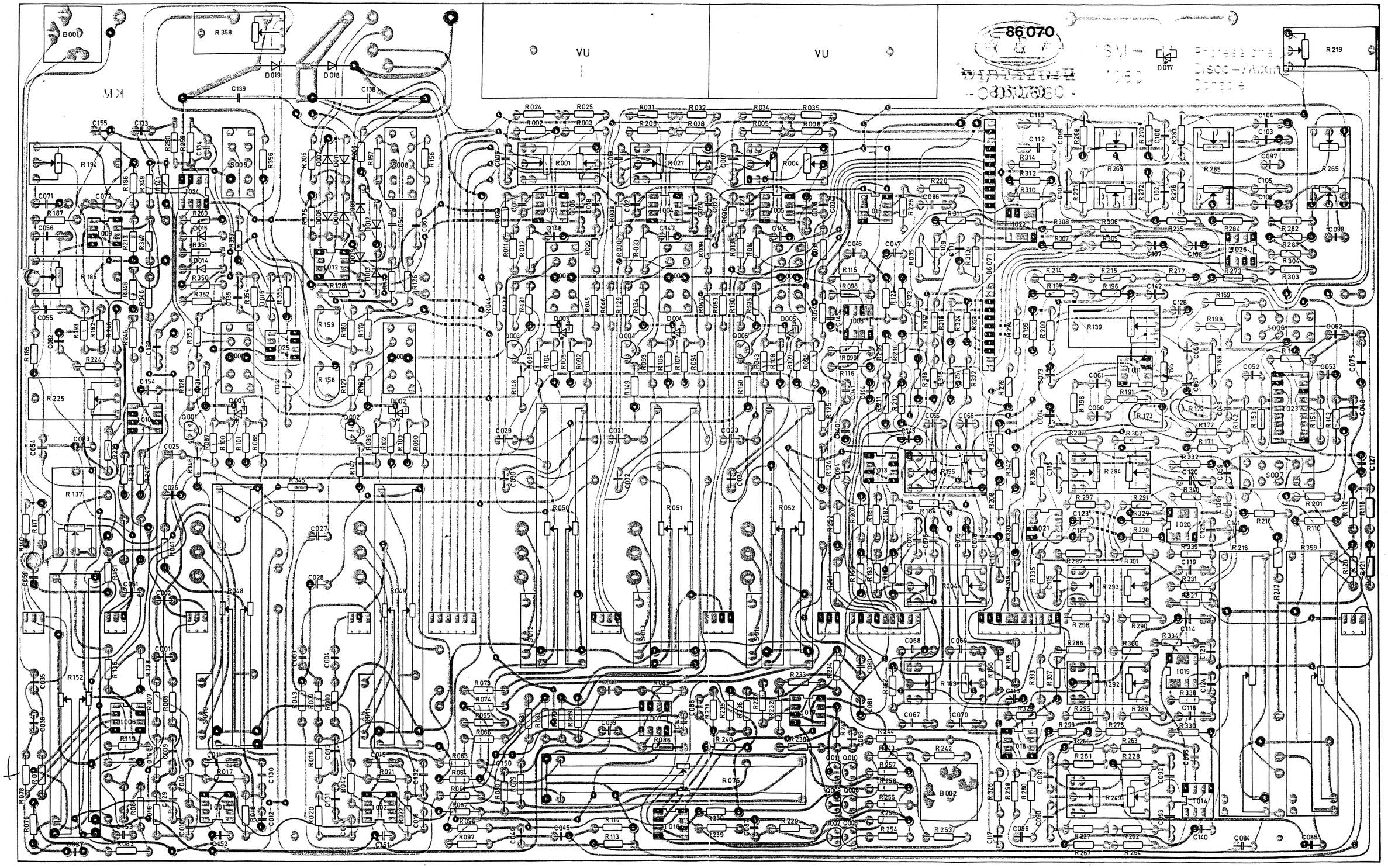
Dimensions (W x H x D): 483 x 355 x 105 mm

Weight: 14 Ibs

Specifications are subject to change without prior notice

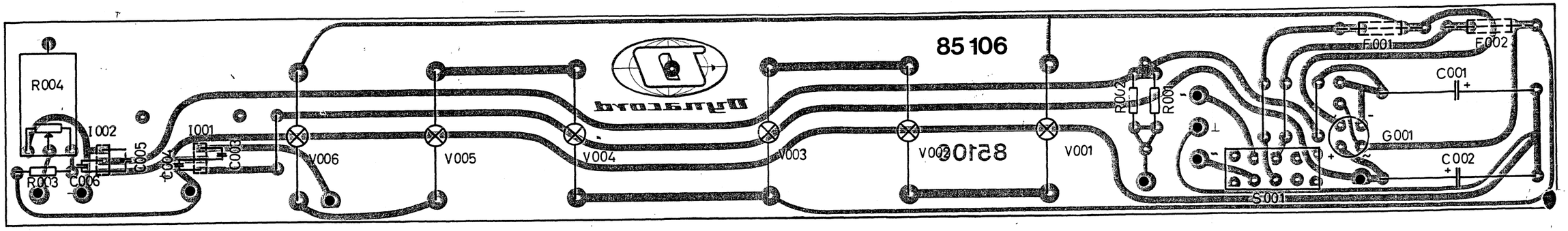
Bestückungsseite

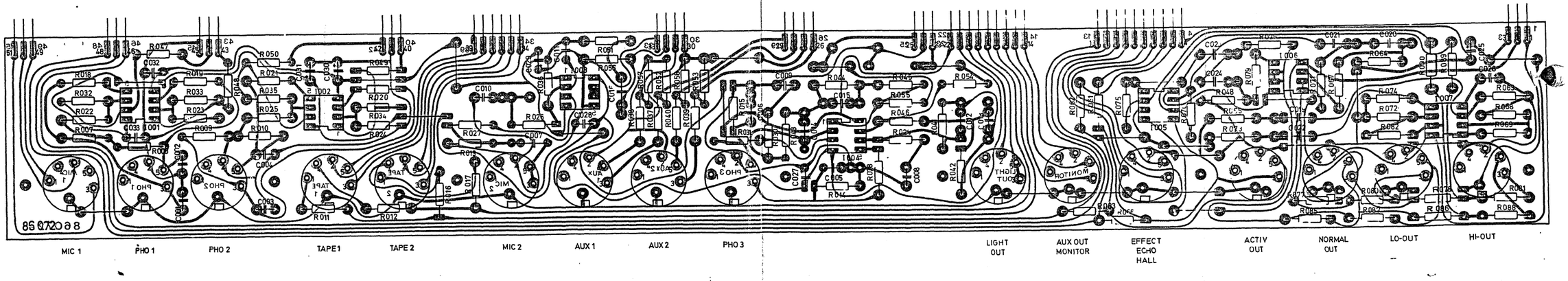
component side



Bestückungsseite

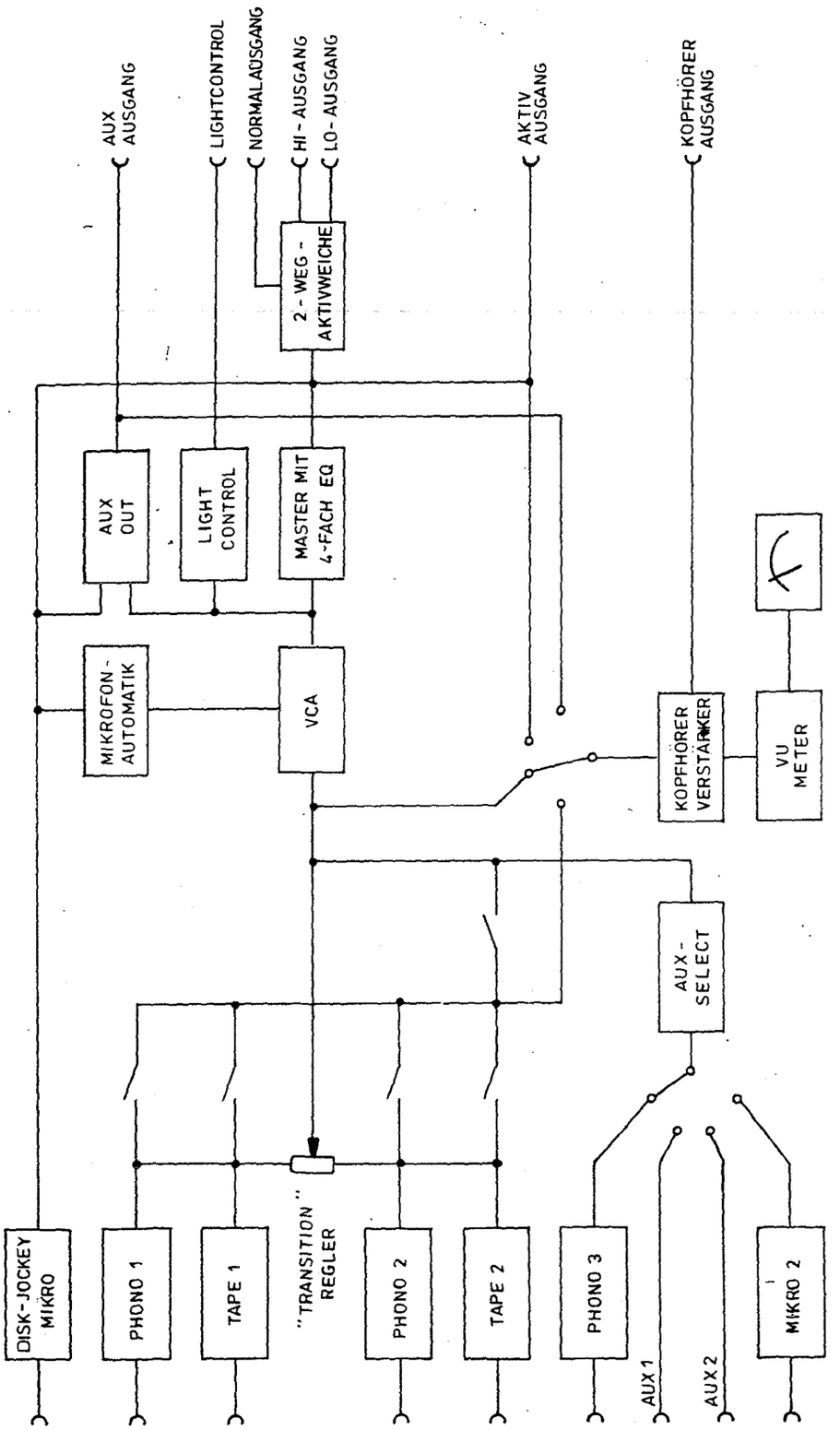
component side

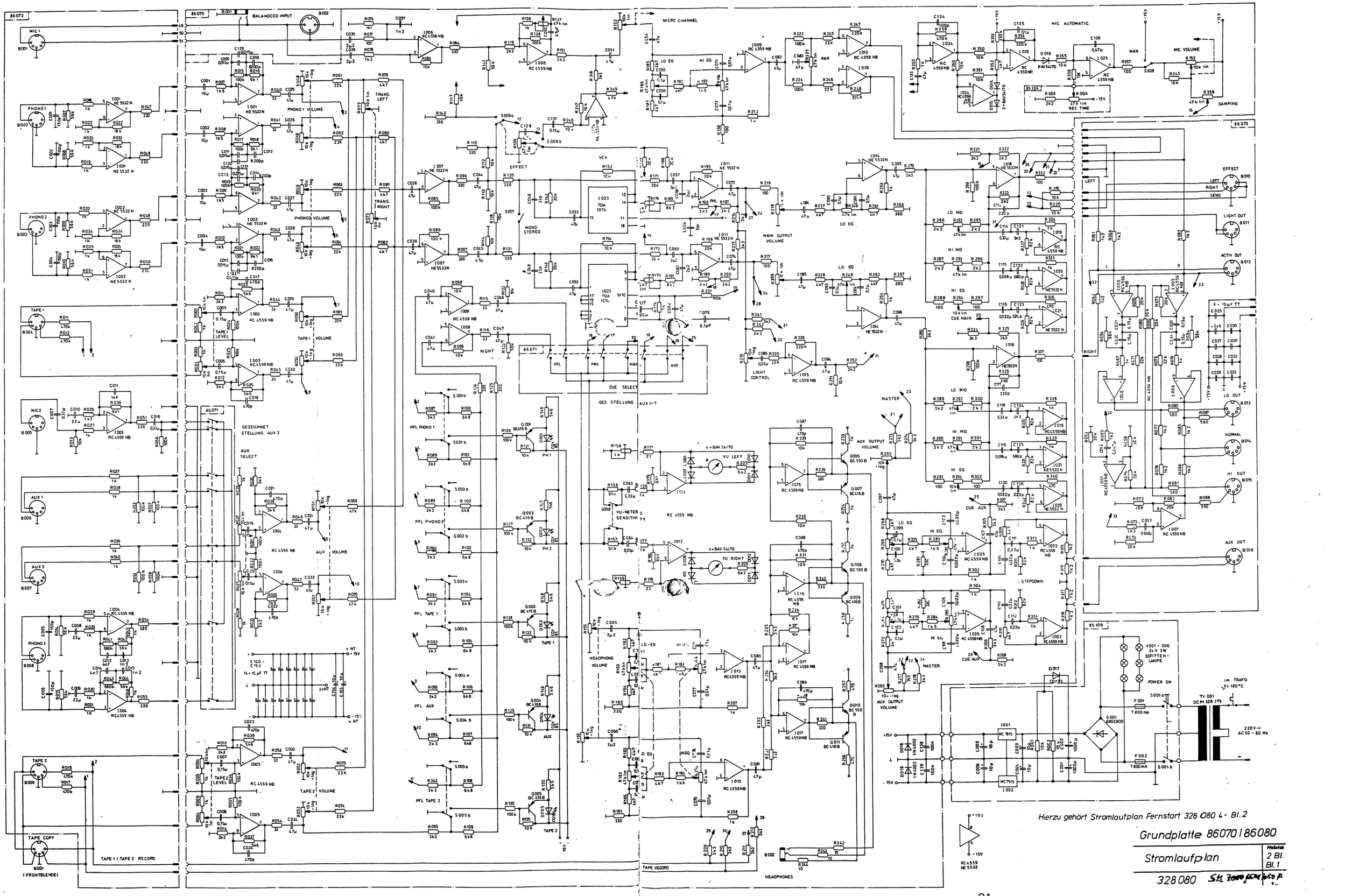


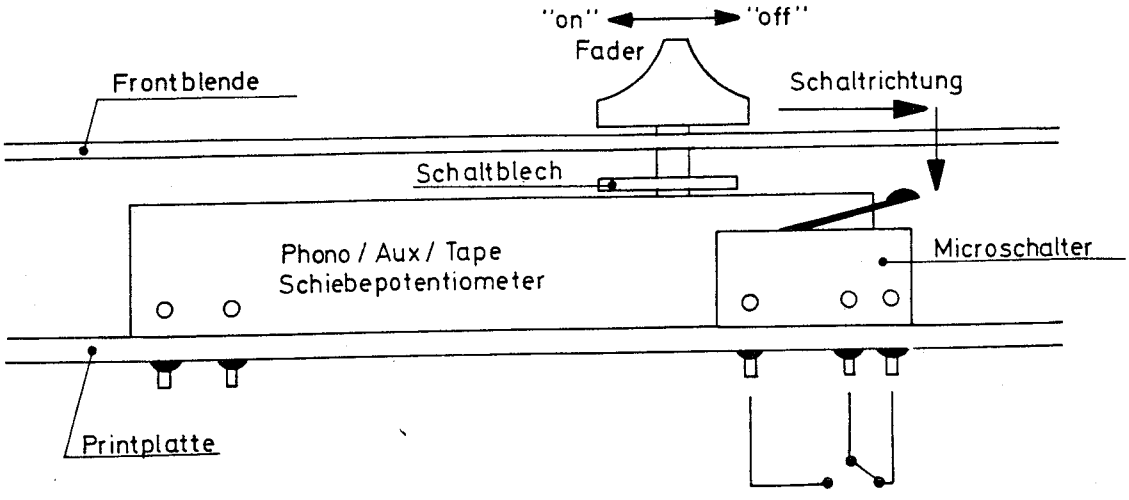


Blockschaltbild

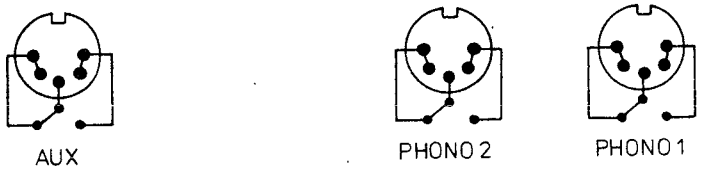
Blockdiagram



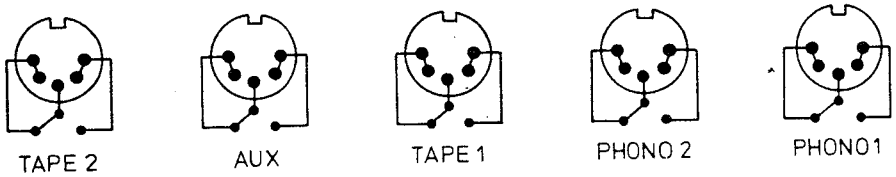

86 072
86 070
86 071
86 072
85 106
BALANCED INPUT
MIC CHANNEL
MIC AUTOMATIC
MIC VOLUME
DAMPING
REC TIME
MAN
PHONO 1
PHONO 2
PHONO 3
AUX 1
AUX 2
MIC 1
MIC 2
TAPE 1
TAPE 2
TAPE COPY
PHONO 1 VOLUME
PHONO 2 VOLUME
PHONO 3 VOLUME
TAPE 1 VOLUME
TAPE 2 VOLUME
AUX VOLUME
TAPE 1 LEVEL
TAPE 2 LEVEL
TRANS. LEFT
TRANS. RIGHT
EFFECT
VCA
MONO STEREO
MAIN OUTPUT VOLUME
LO EQ
HI EQ
PAN
LIGHT CONTROL
CUE SELECT
GEZ STELLUNG AUX EXT
GEZEICHNET STELLUNG AUX 2
AUX SELECT
PFL PHONO 1
PFL PHONO 2
PFL TAPE 1
PFL TAPE 2
PFL AUX
PFL
PML
MAIN
AUX
RIGHT
LEFT
VU LEFT
VU RIGHT
VU-METER SENSITIVITY
HEADPHONE VOLUME
HEADPHONES
MASTER
AUX OUTPUT VOLUME
CUE AUX
LO MID
HI MID
HI EQ
CUE MAIN
STEPDOWN
EFFECT
LIGHT OUT
ACTIV OUT
LO OUT
NORMAL
HI OUT
AUX OUT
TAPE RECORD
TAPE 1 / TAPE 2 RECORD
(FRONTBLENDE)
VOLT NT
+ 15V
- 15V
RC 4559 NB
NE 5532 N
RC 4559
NE 5532
TDA 1074
VDO1 - 006 24 V 3W SOFITTEN-LAMPE
POWER ON
Tr. 001 DCN 328 279
220 V~ AC 50 - 60 Hz
T 800 mA
G 001 B80C800
MC 7815
MC 7915
Hierzu gehört Stromlaufplan Fernstart 328 080 4 - Bl. 2
Grundplatte 86070186080
Stromlaufplan
328080
Maßstab
2 Bl.
Bl. 1



SM 7050 REMOTE TURNTABLE AND TAPE DECK CONTROL
SHOWN IS FADER "OFF" POSITION



SM 7050F REMOTE TURNTABLE AND TAPE DECK CONTROL
SHOWN IS FADER "OFF" POSITION



Dynacord
Electronic und Gerätebau

SM 7050 / SM 7050F

4-328 080

9.6.81 Götz.

SERVICE - ERSATZTEILLISTE

SERVICE - LIST OF SPARE PARTS

DYNACORD SM 7050

Pos. im Schaltbild Pos. in diagram	Bezeichnung	Description	Best.-Nr. Part-No.
	Frontblende	front panel	327 961
	Plastik-Fuß	plastic foot	326 546
	XLR Buchse schw.	XLR socket	308 845
	DIN Buchse 5 pol.	diode socket 5 pol.	303 092
	Anzeigeinstrument	VU-meter	328 009
	Drehknopf groß D 16	potentiometer knob big D 16	327 158
	Deckel D 16	cap D 16	327 212
	Drehknopf klein D 12	potentiometer knob little D 12	326 219
	Deckel D 12	cap D 12	326 220
	Schieberknopf	slider knob	308 761
	Netztrafo	mains transformer	328 279
	Netzkabel	power cable	326 137
	Abdeckung für Mutter		326 297

Platine 85 106 Netzteil
Print 85 106 Power modul

	Platine best	Print assy	851 068
S 001	Netzschalter	main switch	327 285
F 001/002	Sicherungshalter	Fuse holder	303 576
G 001	Gleichrichter B 80 C 800	rectifier B 80 C 800	301 203
V 001 - 006	Lampe 24 V 3 W	lamp 24 V 3 W	328 262
I 001	IC MC 7815	IC MC 7815	308 292
I 002	IC MC 7915	IC MC 7915	308 293
R 004	Potentiometer REC. TIME 47 K Ohm lin	potentiometer REC. TIME 47 K Ohm lin	327 292

Pos. im Schaltbild Pos. in diagram	Bezeichnung	Description	Best.-Nr. Part-No.
Platine 86 072 Eingangsmodul Print 86 072 Inputmodul			
	Platine best.	Print assy	86o72.8
B 001 - 016	DIN Buchse 5 pol.	diode socket 5 pol.	303 116
I 001 - 002	IC NE 5532 N	IC NE 5532 N	329 500
I 003 - 007	IC RC 4559 N	IC NE 5532 N	327 364
Platine **86 070** Grundplatte Print **86 070** Groundplate			
	Platine best.	Print assy	86080.8
B 001 - 002	Koaxial-Buchse	coaxial-socket	327 367
S 001 - 009	Schalter-Kipp	switch PFL	327 285
S 010 - 014	Schalter-Mikro	switch-fader	327 968
R 358	Potentiometer DAMPING 47 K Ohm lin	potentiometer DAMPING 47 K Ohm lin	327 292
R 194	Potentiometer HI - EQ 47 K Ohm lin	potentiometer HI - EQ 47 K Ohm lin	327 292
R 186	Potentiometer LO - EQ 47 K Ohm lin	potentiometer LO - EQ 47 K Ohm lin	327 292
R 225	Potentiometer PAN 47 K Ohm lin	potentiometer PAN 47 K Ohm lin	327 292
R 137	Potentiometer LEVEL 47 K Ohm lin	potentiometer LEVEL 47 K Ohm lin	327 292
R 152	Schieberegler MIC VOLUME 2 x 10 K Ohm lin	fader MIC VOLUME 2 x 10 K Ohm lin	328 036
R 048	Schieberegler PHONO 1 2 x 10 K Ohm + log	fader PHONO 1 2 x 10 K Ohm + log	328 035
R 049	Schieberegler PHONO 2 2 x 10 K Ohm + log	fader PHONO 2 2 x 10 K Ohm + log	328 035
R 001	Potentiometer TAPE 1 LEVEL 10 K Ohm lin	potentiometer TAPE 1 LEVEL 10 K Ohm lin	328 037
R 050	Schieberegler TAPE 1 2 x 10 K Ohm + log	fader TAPE 1 2 x 10 K Ohm + log	328 035

Pos. im Schaltbild Pos. in diagram	Bezeichnung	Description	Best.-Nr. Part-No.
R 027	Potentiometer 2 x 10 K Ohm lin	potentiometer 2 x 10 K Ohm lin	328 037
R 051	Schieberegler AUX VOLUME 2 x 10 K Ohm + log	fader AUX VOLUME 2 x 10 K Ohm + log	328 035
R 004	Potentiometer TAPE 2 LEVEL 2 x 10 K Ohm lin	potentiometer TAPE 2 LEVEL 2 x 10 K Ohm lin	328 037
R 052	Schieberegler TAPE 2 VOLUME 2 x 10 K Ohm + log	fader TAPE 2 VOLUME 2 x 10 K Ohm + log	328 035
R 075	Schieberegler TRANSITION 2 x 10 K Ohm lin	fader TRANSITION 2 x 10 K Ohm lin	328 036
R 155	Potentiometer HEADPHONE VOLUME 2 x 10 K Ohm + log	potentiometer HEADPHONE VOLUME 2 x 10 K Ohm + log	327 295
R 163	Potentiometer LO - EQ HEADPHONE 2 x 47 K Ohm lin	potentiometer LO - EQ HEADPHONE 2 x 47 K Ohm lin	327 294
R 204	Potentiometer Hi - EQ HEADPHONE 2 x 47 K Ohm lin	potentiometer Hi - EQ HEADPHONE 2 x 47 K Ohm lin	327 294
R 219	Potentiometer LIGHT CONTROL 10 K Ohm + log	potentiometer LIGHT CONTROL 10 K Ohm + log	327 293
R 265	Potentiometer AUX Output 2 x 10 K Ohm + log	potentiometer AUX Output 2 x 10 K Ohm + log	327 295
R 269	Potentiometer LO - EQ AUX 2 x 47 K Ohm lin	potentiometer LO - EQ AUX 2 x 47 K Ohm lin	327 294
R 285	Potentiometer HI - EQ AUX 2 x 47 K Ohm lin	potentiometer HI - EQ AUX 2 x 47 K Ohm lin	327 294
R 139	Potentiometer EFFECT 10 K Ohm + log	potentiometer EFFECT 10 K Ohm + log	327 292
R 294	Potentiometer HI - EQ MAIN OUTPUTS 2 x 10 K Ohm lin	potentiometer HI - EQ MAIN OUTPUTS 2 x 10 K Ohm lin	328 037
R 293	Potentiometer HI - MID MAIN OUTPUTS 2 x 47 K Ohm lin	potentiometer HI - MID MAIN OUTPUTS 2 x 47 K Ohm lin	327 294

Pos. im Schaltbild Pos. in diagram	Bezeichnung	Description	Best.-Nr. Part-No.
R 292	Potentiometer LO - MID MAIN OUTPUTS 2 x 47 K Ohm lin	potentiometer LO - MID MAIN OUTPUTS 2 x 47 K Ohm lin	327 294
R 249	Potentiometer LO - EQ MAIN OUTPUTS 2 x 47 K Ohm lin	potentiometer LO - EQ MAIN OUTPUTS 2 x 47 K Ohm lin	327 294
R 218	Schieberegler VOLUME MAIN OUTPUTS 10 K Ohm + log	fader VOLUME MAIN OUTPUTS 10 K Ohm + log	328 036
R 359	Schieberegler VOLUME MAIN OUTPUTS 10 K Ohm + log	fader VOLUME MAIN OUTPUTS 10 K Ohm + log	328 036
R 158/159	Trimmwiderstand 1 K Ohm lin	min pre set 1 K Ohm lin	305 742
R 173/179	Trimmwiderstand 4,7 K Ohm lin	min pre set 4,7 K Ohm lin	327 030
D 001 - 005 017	Leuchtdiode rot 3 mm	light emitting diode red	305 311
D 018/019	Diode 1 N 4002	diode 1 N 4002	304 360
D 006 - 016	Diode 1 N 4148	diode 1 N 4148	301 254
Q 001 - 005 007/009/011	Transistor BC 560 B	transistor BC 560 B	306 928
Q 006/008/011	Transistor BC 560 B	transistor BC 560 B	306 928
Q 006/008/010	Transistor BC 550 B	transistor BC 550 B	301 184
I 001/002/007/011/ 0014/018/020/021	IC NE 5532 N	IC NE 5532 N	327 197
I 003/004/005/006/008 009/010/012/013/015/016/ 017/022/024/025/026	IC UPC 4559 C	IC UPC 4559 C	327 364
I 023	IC TDA 1074 A	IC TDA 1074 A	327 044
	IC Fassung 8 pol	IC socket 8 pol	309 354
	IC Fassung 18 pol	IC socket 18 pol	306 623
	Federleiste 3 pol	female multi point connector 3 pol	
	Federleiste 4 pol	female multi point connector 4 pol	
	Federleiste 6 pol	female multi point connector 6 pol	

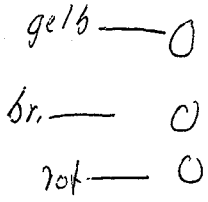
Pos. im Schaltbild Pos. in diagram	Bezeichnung	Description	Best.-Nr. Part-No.
C 001 - 004	Kondensator BIP 10 uF 40 V EKU	capacitor BIP 10 uF 40 V EKU	326 396
C 025-034/038-047/ 050-054/080-085/094-098	Kondensator BIP 47 uF 25 V EKU	capacitor BIP 47 uF 25 V EKU	327 365
C 057/058/060/ 061/065/066	Kondensator BIP 2,2 uF 40 V EKU	capacitor BIP 2,2 uF 40 V EKU	304 349
C 017/018 021 - 024	Kondensator Keramik 470 pF 400 V	capacitor ceramic 470 pF 400 V	301 546
C 048/049	Kondensator Keramik 22 pF 160 V	capacitor ceramic 22 pF 160 V	301 522
C 059	Kondensator Keramik 10000 pF 250 V	capacitor ceramic 10000 pF 250 V	309 715
C 075	Kondensator Keramik 0,1 uF 100 V	capacitor ceramic 0,1 uF 100 V	329 021
C 140 - 155	Kondensator Elektr. 10 uF 25 V	capacitor elyt. 10 uF 25 V	330 653

Platine 86 071 Schalter print
Print 86 071 Switch print

S 001/002	Stufen-Schalter 2 x 4	switch 2 x 4	307 177

VU-Meter

Micro



Fernstart